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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,717	11/21/2003	Sung-Su Jung	8734.261.00 US	8857
30827 7590 06/17/2009 MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, NW WASHINGTON, DC 20006				
EXAMINER FLETCHER III, WILLIAM P				
ART UNIT		PAPER NUMBER		
1792				
MAIL DATE		DELIVERY MODE		
06/17/2009		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/717,717

Applicant(s)

JUNG ET AL.

Examiner

William P. Fletcher III

Art Unit

1792

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 May 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) 1-10 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 11-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SG/US)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on May 20, 2009, has been entered.

Response to Amendment

2. Claims 1-16 remain pending.

Election/Restrictions

3. Claims 1-10 remain withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on June 22, 2006.

Response to Arguments

4. The rejection under 35 USC 112, 2nd Paragraph, set forth in the prior Office action, is withdrawn in view of the amendment.

5. Applicant's arguments filed May 20, 2009, have been fully considered but they are not persuasive.

A. With respect to the newly added limitations concerning the alignment process, these features also form part of the prior art process disclosed by Applicant (see [0017] ff. of the specification, for example). See further discussion below.

B. With respect to the newly added limitation concerning the size of the dummy aligning plates, there appears to be no criticality ascribed to the dummy plate area either in the cited prior art or in the invention instantly claimed. As noted in the prior Office action, it would have been obvious to utilize a dummy substrate of any suitable size.

C. Finally, Applicant argues that JP '533 teaches away from the instantly claimed subject matter. Beyond this broad statement, Applicant has provided no argument or evidence to support this allegation. As such, it is not persuasive.

Claim Objections

6. Claims 12 and 13 are objected to because of the following informalities: In these claims, "displayer" should, apparently, read "displayed." Appropriate correction is required.

Claim Rejections - 35 USC § 103

7. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

8. Claims 11-16 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's admitted state of the prior art in view of JP 05-107533 A.

A. As noted in the prior Office action, Applicant's admitted state of the prior art, detailed in the instant specification at paragraphs 0017-0021 and Figs. 4A-4F, teaches all of the limitations of these claims with respect to a single dummy substrate, including the claimed forward/backward and left/right movement of the

table and second camera as well as the unloading of the dummy substrate and loading of a mother substrate.

B. As noted in the prior Office action, Applicant's admitted prior art does not teach the presence of a second dummy substrate.

C. As noted in the prior Office action, It is the Examiner's position that, as evidenced by, for example JP 05-107533 A, cited in the IDS filed October 31, 2007, it is known in the art to provide two substrates that will be joined in opposing contact, with alignment marks. As such, it would have been obvious to provide two dummy substrates, one for each of the two substrates that will be joined in opposing contact, and to provide these with alignment marks according to the known prior art process disclosed by Applicant. One skilled in the art would have been motivated to do so by the desire and expectation of providing alignment marks on both dummy substrates. Since the process disclosed by Applicant as known for a single dummy substrate, repetition on a second substrate would have been well within the purview of one skilled in the art and readily obvious.

D. With respect to the limitation concerning the size of the substrate, as noted in the prior Office action, there appears to be no criticality ascribed to the dummy plate area either in the cited prior art or in the invention instantly claimed. As such, one skilled in the art would have advantageously utilized dummy plates of any suitable size.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William P. Fletcher III whose telephone number is (571) 272-1419. The examiner can normally be reached on Sunday, 5:00 AM - 12:00 PM and Monday through Friday, 5:00 AM - 3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy H. Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William Phillip Fletcher III/
Primary Examiner, Art Unit 1792

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June 15, 2009